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sistant agriculturist at salaries ranging from \$1,600 to \$1,800 a year, Office of Farm Management, Bureau of Plant Industry, Department of Agriculture.

FOLLOWING a meeting of the biological section of the Kansas State Teachers Association a committee has been appointed to study the teaching of biology in the high schools of the state. The members of the committee are: H. F. Roberts, *chairman*, Kansas Agricultural College, botany; I. D. Cardiff, Washburn College, botany; W. C. Stevens, Kansas State University, botany; C. E. McClung, Kansas State University, zoology; J. W. Scott, Kansas Agricultural College, zoology; O. P. Delinger, Manual Training Normal School, biology; L. C. Wooster, Kansas State Normal School, biology; Wyman Greene, Wichita High School, zoology; W. E. Ringle, Cherryvale High School, botany and zoology; E. J. Dumond, Garden City High School, principal of high school.

THE University Commission on Southern Race Questions was recently organized at Nashville, Tenn. It consists of 11 members, each a representative of a southern state university. Professor C. H. Brough, of the University of Arkansas, was elected president and Professor William M. Hunley, of the University of Virginia, secretary. The next meeting will be held on December 19 at the University of Georgia, Athens, Ga. The chief object of the commission is to study the negro in his relation to southern life. The commission was organized through the efforts of Dr. James H. Dillard, president of the Jeans fund and director of the Slater fund, of New Orleans.

MR. PETER A. B. WIDENER, of Philadelphia, has set aside a fund of four million dollars for an endowment for the Widener Home for Crippled Children, which he had previously established with three million dollars. The present gift is in memory of his son, Mr. George D. Widener, who perished on the *Titanic*. His grandson Mr. Harry Elkins Widener, who also perished on the *Titanic*, has bequeathed his valuable library to Harvard University, and the family will erect a wing to the library building to house it.

THE Sleeping Sickness Bureau under the British government will hereafter be known as the Tropical Diseases Bureau. The new bureau will deal with all exotic diseases which are prevalent in tropical and subtropical regions, and will publish at frequent intervals a *Tropical Diseases Bulletin*, which will take the place of the present *Sleeping Sickness Bulletin*. As the British Medical Journal states, the Sleeping Sickness Bureau had its origin in the International Conference on Sleeping Sickness held in London, under the presidency of Lord Fitzmaurice, in June, 1907, and March, 1908, to concert measures for the control of that disease, which was spreading rapidly in tropical Africa. It was then proposed to have a central international bureau "to extract and circulate all new literature on sleeping sickness." This project fell through, because the delegates were not unanimous as to the seat of the bureau, or even the necessity for its separate existence. Arrangements were therefore made by Lord Elgin, then colonial secretary, for the establishment of a British Bureau, maintained by imperial funds, with a contribution from the Sudan government. The bureau, having outgrown the accommodation provided by the Royal Society, will have its quarters at the Imperial Institute.

UNIVERSITY AND EDUCATIONAL NEWS

LORD IVEAGH has given £10,000 to the University of Dublin, as an endowment fund for the department of geology and mineralogy.

THE University of Cincinnati held its thirty-fourth annual commencement exercises on June 4. A feature of the ceremonies was the official presentation to the university of the new engineering building, power plant and gymnasium and the Carson athletic field.

THE Harper Memorial Library of the University of Chicago was dedicated on June 11. The leading events of the services were a historical statement by President Harry Pratt Judson; a memorial address by Dean Albion W. Small, head of the department of sociology;

an address on behalf of the alumni by Mr. Donald R. Richberg, '01; a poem by Professor Edwin H. Lewis, Ph.D., '94; an address by Henry E. Legler, librarian of the Chicago Public Library; an address by Mr. Charles A. Coolidge, of the firm of Shepley, Rutan & Coolidge, architects of the building, and an address by James B. Angell, president emeritus of the University of Michigan. Mr. Franklin MacVeagh, secretary of the treasury, will deliver the address at the Convocation, which will be held in Harper Court at 3 P.M.

THE main building of the Agricultural and Mechanical College of Texas was destroyed by fire on May 27, between the hours of two and four in the morning. This building was erected in 1876 at a cost of \$100,000. It contained the administration offices, the library and class rooms for three departments.

A DORMITORY consisting of two, three, four and five-room apartments for married students has been established at the University of Chicago.

DR. FREDERICK J. E. WOODBRIDGE, professor of philosophy, has been appointed dean of the graduate faculties of Columbia University.

At the Massachusetts Institute of Technology the William Barton Rogers professorship of economic geology has been established as a memorial to the founder of the institute, and with a portion of the bequest of Mrs. Rogers. Mr. Waldemar Lindgren, chief geologist of the U. S. Geological Survey, has been elected to this chair. In the same department Dr. Charles H. Warren has been advanced to be full professor and Dr. Frederick H. Lahee, of Dartmouth College, and Mr. John D. Mackenzie, of Cornell University, have been called as instructors. Professor T. A. Jaggar, Jr., as has already been noted in *SCIENCE*, will spend about five years as director of the Hawaiian Volcano Observatory. Promotions at the institute have been made as follows: To full professorships: F. J. Moore, organic chemistry; C. L. Adams, drawing and descriptive geometry; O. E. Fuller, theoretical and applied mechanics; C. F. Park, of mechanism, and W. A. Johnson, theoretical and applied

mechanism. To associate professorships: W. K. Lewis, chemical engineering; C. W. Berry, heat engineering; H. W. Hayward, theoretical and applied mechanics, and C. J. Riley, heat engineering. To assistant professor: R. P. Bigelow, zoology and parasitology; H. K. Burris, mechanical drawing and descriptive geometry; W. H. James, mechanical drawing; L. S. Smith, theoretical and applied mechanics; C. R. Hayward, mining engineering and metallurgy, and N. C. Page, physics. Research associate Charles A. Kraus has been made assistant professor of physico-chemical research; assistant J. P. Maxfield instructor in physics and assistant Franz Schneider, Jr., instructor in biology and public health.

STEPHEN S. COLVIN, Ph.B. (Brown, '91), Ph.D. (Strasburg, '97), professor of psychology in the University of Illinois, has accepted a chair in educational psychology in Brown University, newly established in cooperation with the State Board of Education with the assistance of an appropriation made by the state legislature.

DR. A. S. PEARSE will succeed Professor S. J. Holmes in the zoological department of the University of Wisconsin.

New instructors in the department of anatomy of the University of Pittsburgh Medical School are announced as follows: Edgar Davidson Congdon, A.B., A.M. (Syracuse), Ph.D. (Harvard), instructor in anatomy in the Cornell Medical School, New York City, N. Y., and Otto Frederick Kampmeier, A.B. (Iowa), Ph.D. (Princeton), fellow in comparative anatomy at Princeton.

DR. BERTRAM G. SMITH, during the past year a graduate student in Columbia University, has been appointed assistant professor of zoology in the Michigan State Normal College at Ypsilanti.

MR. C. M. HILLIARD, who has been teaching bacteriology for two years at the College of the City of New York, has resigned to accept a position as assistant professor of bacteriology and sanitary science at Purdue University. Mr. Hilliard's place at the City College will be taken by Dr. W. W. Browne, who takes

his doctor's degree with Professor Gorham at Brown University this spring.

DR. O. D. VON ENGELN has been promoted to an assistant professorship of geography at Cornell University.

DR. GRAHAM EDGAR has been promoted to be associate professor of chemistry at the University of Virginia.

PROFESSOR J. L. GILLIN, of the State University of Iowa, who has been teaching sociology there for the past five years, has accepted a call to the University of Wisconsin, service to begin with the opening of the next school year. The work of Professor Gillin at the University of Wisconsin will be to teach courses in sociology during one semester of the year and the remainder of his time will be spent as secretary of the department of general information and welfare, one of the four departments in the extension division of the university.

MR. M. POWER, lecturer in mathematics at Dublin, has been appointed professor of mathematics at Galway.

PROFESSOR F. G. DONNAN, Muspratt professor of physical chemistry at Liverpool, has declined the chair of chemistry at University College, London, vacant by the retirement of Sir William Ramsay, K.C.B.

DISCUSSION AND CORRESPONDENCE

THE NATURE OF THE INHERITANCE OF HORNS IN SHEEP

To our communication in *SCIENCE* of March 8 Professor Castle has offered¹ a vigorous critique. A wordy continuation of the discussion of a matter most of whose points can be easily settled by experiments now under way would be to imitate the methods of an old continent and a past epoch in biology. We may add only that the simple Batesonian formula which Dr. Castle seems to find sufficient appears from the context no more fully satisfactory to the formulator than to ourselves. As to the effect of castration in eliminating horns in males, this is, apparently, a special result in Merinos and other races

possessing horns typically or prevailingly in the males only. Darwin has discussed this matter in the "Descent of Man," Chap. XVII.; and correspondence recently had with breeders of Merinos confirms Darwin's (and Castle's) statements. In Dorset Horns, on the other hand, as in reindeer and cattle, castration has only a modifying effect.

Finally, we wish to acknowledge kind suggestions (in letters) from Professor T. H. Morgan and Mr. A. H. Sturtevant, and we trust they will publish their formula, which differs in several respects from ours. The principal difficulty they find with our formula is that it does not account for a race in which, in successive generations, all males are horned and all females are hornless. Such a race of Merinos there may be; but there is much evidence that in many long and carefully bred strains of Merinos the standard of hornlessness in the ewes is maintained only by hurrying the horned ewe lambs to the butcher.

T. R. ARKELL
C. B. DAVENPORT

May 8, 1912

AGRICULTURE IN SCHOOLS

TO THE EDITOR OF *SCIENCE*: I note in the issue of *SCIENCE* dated April 27, 1912, an announcement concerning the signing of the Harte bill providing for the establishment of a New York State School of Agriculture on Long Island. The memorandum by the governor appended to this bill, as quoted in *SCIENCE*, might mislead the reader in regard to the status of the teaching of agriculture in New York.

The Cortland State Normal School has had in operation for nearly a year a course for training teachers of agriculture. This course is open only to graduates of approved high schools who have had practical farm experience. The course is for two years' work. It may be that the fact that the governor has not been called upon to sign a bill of special appropriation for the establishment of this course has been the cause of his overlooking it.

In regard to the high school situation I wish to call attention to the fact that seven-

¹ *SCIENCE*, April 12.